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## Patent Abstracts of Japan

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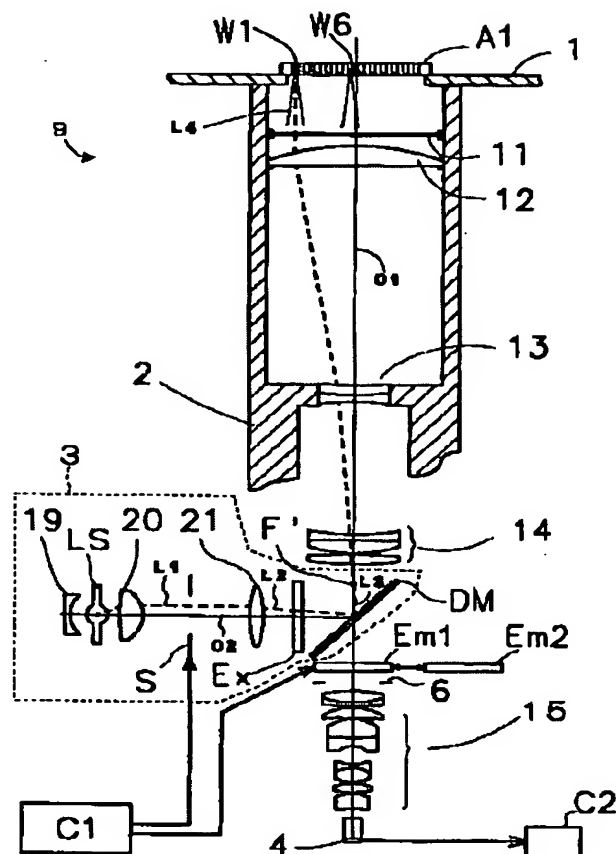
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TITLE : FLUOROMETRIC APPARATUS



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To provide a fluorometric apparatus which can obtain a uniform by illuminated state, even in a virtual plane (a plane parallel to the rear surface of a well plate) crossing a plurality of wells at an arbitray depth and which can prevent a color fading phenomenon of a sample.

**SOLUTION:** The fluorometric apparatus for measuring fluorescence generated from an object to be measured which is injected into a plurality of wells (W1,..., W6 and so on), is provided with illumination optical systems (3, 12 to 14), which collectively illuminate the object to be measured in the plurality of wells, image- forming optical systems (12 to 15) which condense fluorescence from the object to be measured, illuminated by the illumination optical systems so as to form a reduced image and a photoelectric detecting means (4), which phoeoelectriacally detects the reduced image formed by the image forming optical systems. The illumination optical systems are optical systems, which telecentrically illuminate the object to be measured, by using a parallel light which is parallel in the direction of the depth of the wells.

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